

AMENDMENTS TO THE SPECIFICATION

Please change the title of the application to read as follows:

Blow Molding ~~Method And~~ Machine For Producing Pasteurizable Containers

Please replace paragraph [0001] with the following paragraph:

[0001] This application is a divisional of United States Patent Application No. ~~09/436,864~~ filed 6,485,670 issued on November 9, ~~1999~~ 26, 2002. The disclosure of the above ~~application~~ patent is incorporated herein by reference.

Please replace paragraph [0032] with the following paragraph:

[0032] ~~Located between the second mixer 51 and the second inlet port 26 is a control valve 52 and a check valve 54.~~ Like the control valve 42, ~~the~~ a control valve 52 controls the flow of the high-temperature gas 46 and may be either manually or electronically controlled. In the preferred embodiment, the control valve 52 is automatically and systematically controlled by the system controller 43, as further explained below. ~~The~~ A check valve 54 functions to prevent the high-pressure gas 38 from traveling through the second inlet port 26 and into the high-temperature conduit 44. A person of ordinary skill in the art will readily appreciate the appropriate control valves and check valves.

Please replace paragraph [0033] with the following paragraph:

[0033] The method of the present invention for producing a biaxially oriented, heat set plastic container having a sidewall with a high crystallinity generally includes a blow molding process and a heat setting process. The blow molding process includes providing a properly conditioned plastic preform 22 in the mold cavity 20 of the blow mold 12 and closing the blow mold 12. The plastic preform 22 is preferably made

from PET, but may be made from other crystallizable materials. The blow core assembly 14 is next lowered into the plastic preform 22 such that a collar 33 of the blow seal is positioned interiorly of the finish or neck of the plastic preform 22 and a flange 37 engages the top of the plastic preform 22, as shown in FIG. 1. The stretch rod 16 is then moved by the pneumatic or hydraulic actuator from its retracted position to its extended position, as shown in FIG. 2. This extension of the stretch rod 16 into the plastic preform 22 axially stretches the sidewall 56 of the plastic preform 22, and triggers the start of the fluid cycle.

Please delete the Abstract Section of the specification and replace it with the following Abstract written in clean form.

A blow molding machine for producing a biaxially oriented, heat set plastic container, including a blow mold; a high-pressure gas source; a high-temperature gas source; a fluid source; a mixer coupled to the high-temperature gas source and to the fluid source; a blow core assembly having an exhaust; and a controller coupled to the high-pressure gas source, to the high-temperature gas source, and to the fluid source. The PET containers produced by the machine have an average sidewall crystallinity greater than about 30%, which allows the PET container to maintain its material integrity during any subsequent pasteurization or retort process of the contents in the PET container, and during shipment of the PET container.